NEWS 25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent
records		
NEWS 27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 28	MAY 01	New CAS web site launched
NEWS 29	MAY 08	CA/CAplus Indian patent publication number format
defined		
	MAR 35 2 4	DDTGGT OGUDE GMV E

NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display

fields

NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data

NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload

NEWS 33 MAY 21 CA/CAplus enhanced with additional kind codes for German

patents

NEWS 34 MAY 22 CA/CAplus enhanced with IPC reclassification in Japanese

patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation
of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> File Medline EMBASE Biosis Caplus COST IN U.S. DOLLARS

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 SINCE FILE TOTAL

 FULL ESTIMATED COST
 ENTRY SESSION

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COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
=> s (casein kinase) (w) (I or 1)
L1
         2877 (CASEIN KINASE) (W) (I OR 1)
=> s (inhibitor or inhibitors)
      2755119 (INHIBITOR OR INHIBITORS)
=> s L1 (4A) 12
         136 L1 (4A) L2
L3
=> s 12 (6A) cell or cellular
L4
    1591079 L2 (6A) CELL OR CELLULAR
=> s 13 and 14
L5
           17 L3 AND L4
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PROCESSING COMPLETED FOR L5
            10 DUPLICATE REMOVE L5 (7 DUPLICATES REMOVED)
L6
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L6
    ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
AN
    2006:13464 CAPLUS
DN
    144:101073
TI therapeutic uses of kinase inhibitors, and compositions thereof
IN Caligiuri, Maureen G.; Kley, Nikolai A.; Murthi, Krishna K.
PA GPC Biotech, Inc., USA
SO PCT Int. Appl., 201 pp.
    CODEN: PIXXD2
DT Patent
T.A
   English
FAN.CNT 1
     PATENT NO.
                  KIND DATE APPLICATION NO.
DATE
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PI WO 2006002119 A2 20060105 WO 2005-US21843

20050617

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WO 2006002119
                          A3
                                 20070222
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB. GD.
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP,
KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NA,
             NG. NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK,
             SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU,
             ZA. ZM. ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,
HU, IE,
             IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF,
BJ. CF.
             CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
GH, GM,
             KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG,
             KZ, MD, RU, TJ; TM
                                20070321
                                             EP 2005-762859
     EP 1763345
                           Α2
20050617
             AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,
         R:
HU. IE.
             IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR,
AL, BA,
             HR, LV, MK, YU
PRAI US 2004-580868P
                          Р
                                 20040618
     WO 2005-US21843
                          W
                                 20050617
OS
     MARPAT 144:101073
```

AB The invention pertains to inhibitors of various kinases (e.g. S/T kinases,
Tyr kinases, etc.), which inhibitors are previously known as

cyclin dependent kinase inhibitors (CDKs). The inhibitors of the invention are

capable of inhibiting various wild-type and mutant form kinases, including

drug-resistant forms of mutant kinases. Thus, the kinase inhibitors are

useful in treating a wide range of diseases/conditions associated with

abnormal functions/excessive activities of the target kinases, including

mutant kinases. The invention further provides methods for treating

cancers, tumors and patients which are resistant or refractory to other $% \left(1\right) =\left(1\right) \left(1\right) \left($

therapeutic agents. Pharmaceutical compns. and packaged pharmaceuticals

with instructions of these inhibitors, and methods of using these inhibitors are also provided.

L6 ANSWER 2 OF 10 MEDLINE on STN DUPLICATE 1

AN 2006124588 MEDLINE

DN PubMed ID: 16247451

TI RNAi-based screening of the human kinome identifies

Akt-cooperating

 $\ensuremath{\operatorname{\textbf{kinases}}}\colon \ensuremath{\operatorname{\textbf{a}}}$ new approach to designing efficacious multitargeted kinase

inhibitors.

AU Morgan-Lappe S; Woods K W; Li Q; Anderson M G; Schurdak M E; Luo

Y;
Giranda V L; Fesik S W; Leverson J D

CS Abbott Laboratories, Cancer Research, Abbott Park, IL 60064, USA.

SO Oncogene, (2006 Mar 2) Vol. 25, No. 9, pp. 1340-8. Journal code: 8711562. ISSN: 0950-9232.

CY England: United Kingdom

DT Journal: Article: (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200604

ED Entered STN: 3 Mar 2006

Last Updated on STN: 19 Apr 2006 Entered Medline: 18 Apr 2006

AB Tumors comprise genetically heterogeneous cell populations, whose growth

and survival depend on multiple signaling pathways. This has spurred the $\,$

development of multitargeted therapies, including small

molecules that can

inhibit multiple kinases. A major challenge in designing such molecules $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

is to determine which kinases to inhibit in each cancer to $\ensuremath{\mathtt{maximize}}$

efficacy and therapeutic index. We describe an approach to this problem

implementing RNA interference technology. In order to identify Akt-cooperating kinases, we screened a library of

kinase-directed small

interfering RNAs (siRNAs) for enhanced cancer cell killing in the presence of Akt inhibitor A-443654. siRNAs targeting casein kinase I gamma 3 (CSNK1G3) or the

inositol polyphosphate multikinase (IPMK) significantly enhanced A-443654-mediated cell killing, and caused decreases in Akt Ser-473 and

ribosomal protein S6 phosphorylation. Small molecules targeting ${\tt CSNK1G3}$

and/or IPMK in addition to \mbox{Akt} may thus exhibit increased efficacy and

```
have the potential for improved therapeutic index.
     ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
L6
AN
     2005:451232 CAPLUS
DΝ
     143:19954
тт
     Methods for inhibiting cell growth
     Zhao, Yi; Chandraratna, Roshantha A.
TN
     Allergan, Inc., USA
PA
SO
     PCT Int. Appl., 78 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO. KIND DATE APPLICATION NO.
DATE
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PΙ
    WO 2005046726
                        A2
                               20050526 WO 2004-US37881
20041112
     WO 2005046726
                        A3
                              20051208
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB. GD.
            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC,
            LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NA. NI.
            NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SY,
            TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW
        RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW, AM,
            AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,
DE. DK.
            EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL,
PT, RO,
            SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR,
            NE, SN, TD, TG
PRAI US 2003-519528P
                        P
                               20031112
                         Ρ
                               20040422
     US 2004-564807P
     Cell growth is inhibited and/or cell death is induced in a cell
AB
by
```

administering an RXR (retinoid X receptor) agonist and an inhibitor of casein kinase 1

 $\alpha\,.\,$ A cell or a tissue can be screened for enhanced susceptibility

to cell death or interference with cell growth. Conditions characterized $% \left(1\right) =\left(1\right) +\left(1\right) +\left$

by uncontrolled cell growth or proliferation, such as a cancer,

can be

treated with inhibitors of casein kinase 1α .

L6 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:521462 CAPLUS

DN 137:88442

 $\ensuremath{\mathsf{TI}}$. Incensole and furanogermacrens and compounds in treatment for inhibiting

neoplastic lesions and microorganisms

IN Shanahan-Pendergast, Elisabeth

PA Ire.

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

DATE

PI WO 2002053138 A2 20020711 WO 2002-IE1
20020102

WO 2002053138 A3 20020919

W: AE, AG, AT, AU, BB, BG, CA, CH, CN, CO, CU, CZ, LU, LV,
MA, MD,

UA, UG, US, VN, YU, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, AT, BE, CH, CY, DE,

PATENT NO. KIND DATE APPLICATION NO.

ES, FI,
ML, MR, NE, SN, TD, TG

AU 2002219472 A1 20020716 AU 2002-219472

EP 1351678

A2 20031015 EP 2002-727007

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2004092583 A1 20040513 US 2004-250535

20040102

PRAI IE 2001-2 A 20010102 WO 2002-IE1 W 20020102

WO 2002-1E1 OS MARPAT 137:88442

AB The invention discloses the use of incensole and/or furanggermacrens.

derivs. metabolites and precursors thereof in the treatment of neoplasia,

 $\bar{\ }$ particularly resistant neoplasia and immunodysregulatory disorders. These

compds. can be administered alone or in combination with conventional

chemotherapeutic, antiviral, antiparasite agents, radiation and/or

surgery. Incensole and furanogermacren and their mixture showed antitumor

activity against various human carcinomas and melanomas and antimicrobial

activity against Staphylococcus aureus and Enterococcus faecalis.

- ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN L6
- ΔN 2001:432817 CAPLUS
- 135:41041 DN

Use of hymenialdisine or a derivative thereof as an inhibitor of TT cyclin-dependent kinases, GSK-3\$\beta\$ and casein kinase 1, and therapeutic

use

- TN Meijer, Laurent
- Centre National de la Recherche Scientifique (CNRS). Fr. PA

- Eur. Pat. Appl., 38 pp. SO CODEN: EPXXDW
- DT Patent
- LA
- English

FAN.	CNT	1	
	PAT	TRIT	NO.

RO. RU.

I PART, CATAL																		
		PATENT NO.			KIND DATE			APPLICATION NO.										
DATE																		
	PI	EP	1106	180			A1		20010613			EP 1999-403077						
	1999	1208	3															
		EP	1106	180			B1 20031112											
			R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	
	MC,	PT,																
				ΙE,	SI,	LT,	LV,	FI,	RO									
		AT	2539	18			т		2003	1115		AT 1	999-	4030	77			
	1999	1208	3															
		ES	2213	996			Т3		2004	0901		ES 1	999-	4030	77			
	1999	1208																
		CA	2384	982			A1		2001	0614		CA 2	000-	2384	982			
	2000	1207	,															
WO 2001041768						A2 20010614				WO 2000-EP12791								
20001207																		
WO 2001041768					A3		2002	0510										
WO 2001041768					A9		2002	0912										
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	CH,	CN,																
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	GM,	HR,																
				HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚŻ,	LC,	LK,	LR,	
	LS,	LT,																
				LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	

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SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ. VN.
             YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE,
CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
TR. BF.
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     EP 1235578
                          A2
                                20020904 EP 2000-987404
20001207
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004500356
                          т
                                20040108
                                           JP 2001-543113
20001207
     US 2003105075
                          Α1
                                20030605 US 2002-149115
20021004
     US 7098204
                          B2
                                20060829
PRAI EP 1999-403077
                          Α
                                19991208
     WO 2000-EP12791
                          W
                                20001207
AB
     The title compds. are I (R1, R2 = H, Br), or a pharmaceutically
acceptable
     salt thereof, are used for the manufacture of a medicament for
inhibiting
     cyclin-dependent kinases, GSK-3B, and casein kinase 1. The
compds.
     may be used for preventing and treating neurodegenerative
disorders (e.g.
     Alzheimer's disease), diabetes, inflammatory pathologies, and
cancers.
RE.CNT 13
              THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
L6
ΑN
     2000:856756 CAPLUS
DN
     134:129061
TΙ
     IC261, a specific inhibitor of the protein kinases
     casein kinase 1-delta and -epsilon, triggers
     the mitotic checkpoint and induces p53-dependent postmitotic
effects
     Behrend, L.; Milne, D. M.; Stoter, M.; Deppert, W.; Campbell, L.
ΑU
E.: Meek.
     D. W.; Knippschild, U.
     Heinrich-Pette-Institut fur Experimentelle Virologie und
CS
Immunologie,
     Hamburg, D-20251, Germany
```

Oncogene (2000), 19(47), 5303-5313 CODEN: ONCNES; ISSN: 0950-9232

Nature Publishing Group

SO

PB

DT

LA

Journal

English

AB The p53-targeted kinases casein kinase 18 (CK18) and casein kinase 1e (CK1e) have been proposed to be involved in regulating DNA repair and chromosomal segregation. Recently, we

regulating DNA repair and chromosomal segregation. Recently, w

that CK16 localizes to the spindle apparatus and the centrosomes in cells with mitotic failure caused by DNA-damage prior to mitotic

entry. We provide here evidence that

3-(2,4,6-trimethoxyphenyl)methylidenyl-indolin-

2-one (IC261), a novel inhibitor of CK1 δ and CK1 ϵ , triggers the mitotic checkpoint control. At low micromolar concns. IC261 inhibits

cytokinesis causing a transient mitotic arrest. Cells

arrest in the postmitotic ${\tt G1}$ phase by blockage of entry into the ${\tt S}$ phase.

Cells with non-functional p53 undergo postmitotic replication developing

an 8N DNA content. The increase of DNA content is accompanied by a high

amount of micronucleated and apoptotic cells. Immunfluorescence images show

that at low concns. IC261 leads to centrosome amplification causing

multipolar mitosis. Our data are consistent with a role for $\textsc{CK1}\delta$

and CKIE isoforms in regulating key aspects of cell division, possibly through the regulation of centrosome or spindle function during mitosis.

RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 10 MEDLINE on STN

DUPLICATE 2

AN 1998366074 MEDLINE

DN PubMed ID: 9700717

TI H-7-induced apoptosis in the cells of a Drosophila neuronal cell line

through affecting unidentified H-7-sensitive substance(s).

AU Nagano M; Suzuki H; Ui-Tei K; Sato S; Miyake T; Miyata Y

CS Department of Pharmacology, Nippon Medical School, Tokyo, Japan.

SO Neuroscience research, (1998 Jun) Vol. 31, No. 2, pp. 113-21.

Journal code: 8500749. ISSN: 0168-0102.

CY Ireland

DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Priority Journals

EM 199811

Entered STN: 6 Jan 1999 ED

Last Updated on STN: 6 Jan 1999

Entered Medline: 20 Nov 1998

The present study was undertaken to reveal underlying mechanisms AB ٥f

apoptosis in neurons using clonal neuronal cells, ML-DmBG2-c2, derived

from Drosophila larval central nervous system

1-(5-Isoquinolinesulfonyl)-2-

methylpiperazine (H-7), a protein kinase inhibitor, induced cell death with typical features of apoptosis such as internucleosomal DNA fragmentation, nuclear condensation and

apoptotic

bodies in the cells. Though H-7 is known to inhibit

cAMP-dependent

protein kinase (PKA), protein kinase C (PKC), cGMP-dependent protein

kinase (PKG), myosin light chain kinase (MLCK), and casein kinase I (CKI), specific inhibitors for these

kinases such as H-89, calphostin C, ML-9, or CKI-7 did not induce apoptosis in the cells. Other kinases such as tyrosine kinase. PI3-kinase and Ca2+/CaM kinase II so far examined in the present

study

were interpreted not to be involved in the apoptotic cascade.

Therefore. it is concluded that an H-7-sensitive substance(s) other than these

kinases is responsible for the apoptosis in the neuronal cells. Caspase

inhibitors prevented apoptosis in the cells treated with H-7. These

results suggest that caspase(s) is involved downstream of the H-7-sensitive point in the cascade of the apoptosis.

ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN 1.6

AN 1995:301667 CAPLUS

DN 122:127030

Development of inhibitors of protein kinases CKI and CKII and TT some related

aspects, including donor and acceptor specificities and viral protein

kinases

Shugar, David ΑU

English

CS Inst. Biochem. Biophysics, Polish Academy Sciences, Warszawa, 02-106, Pol.

Cellular & Molecular Biology Research (1994), 40(5/6), 411-19 SO CODEN: CMBREW; ISSN: 0968-8773

PB Elsevier

Journal; General Review DT

LΑ

A review with .apprx.45 refs. A brief overview is presented of progress

in the development of specific inhibitors of protein kinases ${\tt CKI}$ and ${\tt CKII}$.

Two promising classes of inhibitors, which have the ability to traverse cell membranes, are now known. One of these is based on halogenated benzimidazoles and 2-aza-benzimidazoles

(benzotriazoles)

and some of their nucleosides. The second embraces modified isoquinoline $% \begin{center} \end{center} \begin{center} \begin$

sulfonamides, several of which are known as inhibitors of other protein

kinases. Both classes include analogs that permit discrimination between

CKI and CKII. Ongoing research with halogenated benzotriazoles leads to $% \left\{ 1,2,\ldots ,2,\ldots \right\}$

inhibitors with Ki values below 1 $\mu M\,.\,$ Also considered are nucleoside

triphosphate analog inhibitors and their potential properties as donors, $% \left(1\right) =\left(1\right) \left(1\right) \left$

with illustrative examples from the field of nucleoside kinases, including

the apparent existence of a dual-specific viral protein/nucleoside kinase.

The role of cellular CKII and viral-encoded CKII-like activities in viral replication underlines the potential of CKII inhibitors

as antiviral agents, exemplified by the case of vesicular stomatitis virus.

L6 ANSWER 9 OF 10 MEDLINE on STN

DUPLICATE 3

AN 91120135 MEDLINE

DN PubMed ID: 2278876

TI A protein complex expressed during terminal differentiation of monomyelocytic cells is an inhibitor of cell growth.

AU Murao S; Collart F; Huberman E

CS Biological and Medical Research Division, Argonne National Laboratory,

Illinois 60439.

SO Cell growth & differentiation : the molecular biology journal of the

American Association for Cancer Research, (1990 Oct) Vol. 1, No. 10, pp.

447-54.

Journal code: 9100024, ISSN: 1044-9523.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)

LA English

FS Priority Journals

EM 199103

ED Entered STN: 5 Apr 1991

Last Updated on STN: 3 Feb 1997

Entered Medline: 12 Mar 1991

AB A protein complex (PC) composed of the MRP8 and MRP14 proteins has

previously been shown to be a specific inhibitor of casein kinase I and II. This PC is expressed

during the late stages of terminal differentiation induced in human

promyelocytic HL-60 leukemia cells by 1

alpha, 25-dihydroxyvitamin D3 and

in human monocytic THP-1 leukemia cells by phorbol 12-myristate 13-acetate. This expression is associated with terminal cell differentiation because incubation of HL-60 cells with an agent

or

condition that causes suppression of growth but not induction of differentiation does not result in expression of the PC. At concentrations of 5-15 nM, the purified PC inhibited the growth of HL-60

cells and THP-1 cells, as well as other cell types belonging to different

cell lineages. This growth inhibition was preceded by a reduction in

[32P] phosphate incorporation and, at the higher PC

concentrations, was

associated with a reduction in [3H]thymidine, [3H]uridine, and [32S]methionine incorporation. The specific expression pattern and

growth-inhibitory character of the PC suggests that the complex

may have a
role in suppressing cell growth during monomyelocytic terminal
differentiation induced by specific chemical stimuli and during
physiological and pathological events associated with

monomyelocytic cell

functions.

L6 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1990:607124 CAPLUS

DN 113:207124

TI Casein kinase 2: an 'eminence grise' in cellular regulation?

AU Pinna, Lorenzo A.

CS Dip. Chim. Biol., Univ. Padova, Padua, 35121, Italy

SO Biochimica et Biophysica Acta, Molecular Cell Research (1990), 1054(3).

267-84

CODEN: BBAMCO; ISSN: 0167-4889

DT Journal; General Review

LA English

AB A review, with 176 refs., on casein kinase 2 (CK2) with emphasis on the

features of CK2, subunit composition, structure of the α - and β -subunits, regulation of CK2, biol. functions, phosphorylatable substrates, substrate and inhibitor specificity, and comparison

to casein kinase 1.